_			1		1	1	1	1	1		
		ACTIVITY	WHO	STATUS	FY 04 10/03-9/04	FY 05 10/04-9/05	FY 06 10/05-9/06	FY 07 10/06-9/07	FY 08 10/07-9/08	FY 09 10/08-9/09	OUT- YEARS
İ	I.	PROVIDE AND PROTECT INSTREAM FLOWS (HABITAT MANAGEMENT)									
	I.A.	Colorado River above Gunnison River									
>*	I.A.1.	Develop, issue and implement PBO.	FWS	Complete	USFWS 1999	9b.					
	I.A.2.	Initially identify year-round flows needed for recovery.									
	I.A.2.a.	Rifle to Roller Dam.	FWS-FR	Complete	Osmundson	2001.					
	I.A.2.b.	Roller Dam to 15-Mile Reach.	FWS-FR	Complete	Osmundson	2001.					
	I.A.2.c.	15-Mile Reach.	FWS-FR	Complete	Osmundson	and Kaeding	1991.				
	I.A.3.	Provide a depletion accounting report as outlined in the 15-Mile Reach PBO.									
	I.A.3.a.	Collect data.	CWCB/FWS- ES/BR		Х	Х					Х
	I.A.3.b.	Develop consumptive use and losses report with CRDSS model to verify level of depletions.	CWCB				12/05				
	I.A.3.c.	Calculate new depletions every 5 years (2011, 2016, etc).	CWCB								Х
	I.A.4.	Evaluate need for instream flow water rights.									
	I.A.4.a.	Rifle to Roller Dam (Dependent on initial flow recommendations).									
	I.A.4.a.(1)	Assess legal and physical availability of water.	CWCB	Complete					dy in early 199 I the five subb dy in early 199		
	I.A.4.a.(2)	Assess compact considerations.	CWCB	Complete					the five subb		was used as
	I.A.4.a.(3)	Five-year periodic review of progress under the PBO to determine if instream flow filings are necessary.	CWCB/FWS		Х						Х
	I.A.4.a.(3)(a)	If necessary, evaluate how identified flows will be legally protected.	CWCB		Х						Х
	I.A.4.b.	Roller Dam to 15-Mile Reach (Dependent on initial flow recommendations).			0.1	1		9 1 99		5.0.11	
	I.A.4.b.(1)	Assess legal and physical availability of water.	CWCB	Complete	the basis of t	he allocation	of compact w	ater between	dy in early 199 the five subb	asins.	
	I.A.4.b.(2)	Assess compact considerations.	CWCB	Complete					dy in early 199 the five subb		was used as
	I.A.4.b.(3)	Five-year periodic review of progress under the PBO to determine if instream flow filings are necessary.	CWCB/FWS		Х						х
	I.A.4.b.(4)	If necessary, evaluate how identified flows will be legally protected.	CWCB		Х						Х
	I.A.4.c.	15-Mile Reach.									
	I.A.4.c.(1)	Instream flow water right secured - 581 cfs (July - September).		Complete					ere decreed fo		
	I.A.4.c.(2)	Irrigation season return flows legally protected - 300 cfs.		Complete	the date file						inty date of
	I.A.5.	Provide and legally protect instream flows pursuant to Colorado River PBO.									
>*	I.A.5.a.	Pursuant to Ruedi Biological Opinion, deliver 5,000af annually & an additional 5,000af 4 out of 5 years (ongoing and protect by short-term agreement).	BR/CWCB	Ongoing	x	Х	Х	Х	×	Х	×
>*	I.A.5.b.	Execute long-term lease for 10,825 af from Ruedi Reservoir.	BR/FWS/ CWCB	Complete	2012 lease s	igned June 2	3, 2003.				
>*	I.A.5.b.(1)	Provide water annually pursuant to long-term lease.	BR/CWCB		Х	Х	Х	Х	Х	Х	Х
	I.A.5.c.	Execute 10-year agreement for delivery of 5,412.5 af by West Slope water users.	CRWCD/FWS	Complete	CRWCD for	delivery of 5,4	412 acre-feet	of West Slope	ed a 10-year a e water from \ 6,000 acre-fe	Nolford Moun	
>*	I.A.5.c.(1)	Provide and protect water deliveries by West Slope water users.	CRWCD/ CWCB	Ongoing	Х	Х	Х	Х	Х	Х	Х
	I.A.5.d.	Execute 10-year agreement for delivery of 5,412.5 af by East Slope water users.	DWD/FWS	Complete	Pursuant to t Water to deli				ed a 10-year a		
>*	I.A.5.d.(1)	Provide and protect water deliveries by East Slope water users.	DWD/CWCB	Ongoing	Х	Х	Х	Х	Х	Х	Х
	I.A.5.e.	Permanent delivery of 10,825 af of water in late summer/early fall to meet base flow needs.									
	I.A.5.e.(1)	Identify options.	CRWCD/ NWCD/ Denver Water		х						

		ACTIVITY	WHO	STATUS	FY 04 10/03-9/04	FY 05 10/04-9/05	FY 06 10/05-9/06	FY 07 10/06-9/07	FY 08 10/07-9/08	FY 09 10/08-9/09	OUT- YEARS
	I.A.5.e.(2)	Select preferred alternative for delivery.	CRWCD/ NWCD/ Denver Water			7/05					
>*	I.A.5.e.(3)	Deliver and legally protect flows.	CRWCD/ NWCD/ Denver Water	Begin 7/08					×	x	×
	I.A.5.f.	Evaluate options for use of uncommitted Ruedi Reservoir water following Round II sales.	BR	Complete	agreed to im	plement a 15-	sued final ame year contract ars). USFWS	for 21,650 af			
	I.A.5.g.	After Ruedi Round II water sales are completed, or commitments to contracts agreed to, resolve the disposition of remaining uncommitted water from Ruedi Reservoir.	BR/CWCB/ FWS	Complete	1999 amend	ment to 1995	Ruedi BO. US	SFWS 1999a.			
>*	l.A.5.h.	Pursuant to Wolford Mountain (Muddy Creek) Biological Opinion, deliver up to 6,000 acre-feet of water.	CRWCD/FWS/ CWCB	Ongoing	Х	Х	Х	Х	Х	Х	Х
	I.A.5.i.	Coordinated reservoir operations.									
	I.A.5.i.(1)	Evaluate (final report).	BR	Complete	Identified as	complete in 2	000 version o	f RIPRAP.			
>*	I.A.5.i.(2)	If available, deliver additional peak flows, evaluate process & hydrology, and provide annual report.	BR	Ongoing	Х	Х	Х	Х	Х	Х	Х
_	I.A.5.j.	Collbran Project.									
	I.A.5.j.(1)	Evaluate.	BR	Complete	Collbran con	tract could no	t be implemer	nted as plann	ed due to a n	umber of wate	er rights
	I.A.5.j.(2)	Make recommendations	BR	Complete							
	I.A.5.k.	Silt Project.									
	I.A.5.k.(1)	Evaluate.	BR	Complete	Not feasible	due to water	availability.				
	I.A.5.k.(2)	Make recommendations.	CDOP/BR	Complete							
	I.A.5.I.	Grand Valley Water Management Project.									
	I.A.5.I.(1)	Evaluate.	BR	Complete	1996						
	I.A.5.I.(2)	Complete Draft Grand Valley Water Management Environmental Assessment. The agreement to deliver Green Mountain Reservoir water to the Grand Valley Power Plant, pursuant to the Orchard Mesa Check Settlement, will also be covered in this draft environmental assessment.	BR	Complete	1997						
>*	1.A.5.l.(3)	Design and construct features of the Grand Valley Water Management Project.	BR	In progress		12/04					
	I.A.5.I.(4)	Execute agreement for delivery of surplus Green Mountain Reservoir water up to the excess capacity of the Grand Valley Power Plant pursuant to the Orchard Mesa Check Settlement.	BR	Complete	July 1999.						
	I.A.5.I.(5)	Execute agreement (municipal water contract) to deliver additional Orchard Mesa Check Settlement water and Grand Valley Water Management Plan water to benefit endangered fish.	BR/City of Grand Jct.	Complete			ered a 15-year for municipal/			Mountain surp	olus water to
	I.A.5.I.(6)	Assess options and legally protect only additional Orchard Mesa Check Settlement water and Grand Valley Water Management Plan water.	BR	Complete	1999						
	I.A.5.m.	Water Division 5 Coordinated Facilities Study.									
	I.A.5.m.(1)	Evaluate options for providing and protecting additional peak flows to the 15-Mile Reach.	CWCB	Complete	Brown and C	aldwell 2003.					
>*	I.A.5.m.(2)	Deliver additional peak flows as determined feasible in the evaluation.	TBD	Ongoing	X	Х	X	Х	Χ	X	X
	I.A.6.	Review implementation of RIPRAP items to determine timely compliance with applicable schedules (every 2 yrs. Beginning in 2003).	FWS			Х		Х			Х
	I.B.	Colorado River from the Gunnison to the Colorado-Utah State line (Includes the 18-Mile Reach (Flow recommendation needed; expected with completion of Aspinall Unit biological opinion.)									
	I.B.1.	Initially identify year-round flows needed for recovery.	FWS-FR	Complete	McAda 2003						
	I.B.2.	Evaluate how identified flows will be legally protected.	CWCB	On hold							
	I.B.3.	State acceptance of initial flow recommendations.									
	I.B.3.a.	Review scientific basis, dependent on development of flow recommendations by FWS.	CWCB/CDOW	Pending							
	I.B.3.b.	Assess legal and physical availability of water.	CWCB	Complete			on a water av				was used as
	I.B.3.c	Assess compact considerations.	CWCB	Complete			on a water av of compact wa				was used as
	I.B.3.d.	CWCB notice of intent to appropriate (in Colorado).	CWCB	On hold							
	I.B.4.	Legally protect identified flows.									
>*	I.B.4.a.	Acquire (see Colorado River above Gunnison and Gunnison River).									
	I.B.4.b.	Appropriate.									
	-										

			ı								
		ACTIVITY	WHO	STATUS	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	OUT-
				•	10/03-9/04	10/04-9/05	10/05-9/06	10/06-9/07	10/07-9/08	10/08-9/09	YEARS
	I.B.4.b.(1)	CWCB approval to appropriate.	CWCB	On hold							
>*	I.B.4.b.(2)	Colorado Attorney Generals Office file date.	CWCB	On hold							
>*	I.B.4.b.(3)	Water court adjudication (litigation dependent).	CWCB	On hold							
	(0)	Deliver and legally protect flows from Aspinall (see Colorado River above Gunnison and Gunnison									
	I.B.4.c.	River).									
		raver).			Test flows or	ovided through	h 1007: evnt	heeie report a	nd flow recor	mendations re	enort
>*	I.B.4.c.(1)	Operate Aspinall to provide test flows.	BR	Complete		2003 (McAda		ricaia report a	na now recon	inicridations i	Сроге
		Continue annual coordination (meeting 3 times/year) of Aspinall operation until biological opinion			compicted in	2000 (MCAde	I 2000).	1	I	<u> </u>	
>*	I.B.4.c.(2)	complete.	BR	Ongoing							
<b> </b>	LD 4 - (0)	,									
	I.B.4.c.(3)	Operate Aspinall to provide flows pursuant to biological opinion.		D ::							
	I.B.4.c.(3)(a)	Determine if change in water right and/or contract is needed.	BR	Pending							
	I.B.4.c.(3)(b)	Enter into contract if needed.	BR	Pending							
>*	I.B.4.c.(3)(c)		BR	Pending							
	I.C.	Colorado River from Colorado-Utah State line to Green River (Flow recommendations needed.)									
	I.C.1.	Initially identify year-round flows needed for recovery.	FWS-FR	Complete	McAda 2003						
	I.C.2.	State acceptance of initial flow recommendations.									
	I.C.2.a.	Review scientific basis.	UT	Pending							
	I.C.2.b.	Assess legal and physical availability of water.	UT	Pending							
	I.C.3.	Legally protect identified flows.	j.								
1	I.C.3.a.	Hold public meeting to establish future appropriation policy.	UT	Pending							
1	I.C.3.b.	Adopt and implement new policy (new appropriations subject to flow criteria).	UT	Pending		<del>                                     </del>	<del>                                     </del>		<del>                                     </del>	<del>                                     </del>	
1	1.0.0.0.		U I	i ciluling		+	+		+	<del> </del>	
>*	I.C.3.c.	Prepare and execute contracts with water users as required to subordinate diversions associated with	UT	Pending							
		approved and/or perfected rights.		,							
	I.D.	Colorado River below Green River									
	I.D.1.	Initially identify year-round flows needed for recovery.	FWS		Х						
	I.D.2.	Assess adequacy of combined flows from Colorado and Green rivers to provide fish habitat (and meet	FWS		Х						
	1.0.2.	recovery goals) in the Cataract Canyon reach of the Colorado River.	1 773		^						
	I.E.	Evaluate and revise as needed flow regimes to benefit endangered fish populations.	FWS/Program	Ongoing	X	Х	Х	X	Х	X	X
	II.	RESTORE HABITAT (HABITAT DEVELOPMENT AND MAINTENANCE)									
		RESTORE HABITAT (HABITAT DEVELOPMENT AND MAINTENANCE)									
	II.A.	· · ·									
		Restore and manage flooded bottomland habitat.									
	II.A.1.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)	FWS-FR	Complete	Burdick 1994						
	II.A.1. II.A.1.a.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.	FWS-FR		Burdick 1994		December 1	995 To enha	nce post-rung	off drainability	site
>*	II.A.1. II.A.1.a. II.A.1.b.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.	BR	Complete	Levee initiall	y breached in			nce post-runo	off drainability,	site
>*	II.A.1. II.A.1.a.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.		Complete		y breached in			nce post-runo	off drainability,	site
	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.	BR BR	Complete	Levee initiall	y breached in			nce post-runo	off drainability,	site
	II.A.1. II.A.1.a. II.A.1.b.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.	BR	Complete Complete	Levee initially topography v	y breached in was re-contou	red in March	1998.			
	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.	BR BR	Complete Complete TBD, revisit	Levee initially topography v Burdick 2002	y breached in was re-contou 2. Floodplain	acquisition co	1998.  completed and	operation, ma	aintenance and	d evaluation
	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.	BR BR	Complete Complete TBD, revisit	Levee initially topography v Burdick 2002 of sites incor	y breached in was re-contou  2. Floodplain porated into (	acquisition co	1998.  completed and	operation, ma		d evaluation
	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.	BR BR BR	Complete Complete TBD, revisit	Levee initially topography v Burdick 2002	y breached in was re-contou  2. Floodplain porated into (	acquisition co	1998.  completed and	operation, ma	aintenance and	d evaluation
	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.	BR BR	Complete Complete TBD, revisit as needed TBD, revisit	Levee initially topography v Burdick 2002 of sites incor	y breached in was re-contou  2. Floodplain porated into (	acquisition co	1998.  completed and	operation, ma	aintenance and	d evaluation
	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.	BR BR BR	Complete Complete TBD, revisit as needed	Levee initially topography v Burdick 2002 of sites incor	y breached in was re-contou  2. Floodplain porated into (	acquisition co	1998.  completed and	operation, ma	aintenance and	d evaluation
	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c. II.A.1.d.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.	BR BR BR	Complete Complete TBD, revisit as needed TBD, revisit	Levee initially topography v Burdick 2002 of sites incor	y breached in was re-contou  2. Floodplain porated into (	acquisition co	1998.  completed and	operation, ma	aintenance and	d evaluation
	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c. II.A.1.d.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.  Adobe Creek.	BR BR BR	Complete Complete TBD, revisit as needed TBD, revisit as needed	Levee initially topography v Burdick 2002 of sites incor	y breached in was re-contou  2. Floodplain porated into (	acquisition co	1998.  completed and	operation, ma	aintenance and	d evaluation
	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c. II.A.1.d.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.  Adobe Creek.  Develop and approve management plans.	BR BR BR FWS-FR	Complete Complete TBD, revisit as needed TBD, revisit as needed Complete	Levee initially topography was a surface to the Burdick 2002 of sites incord and Nelson 2	y breached in was re-contou 2. Floodplain porated into ( 2004b) (IIA6).	acquisition or Colorado Rive	ompleted and er Subbasin Fl	operation, ma oodplain Mar	aintenance and	d evaluation
>*	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c. II.A.1.d. II.A.1.e. II.A.2. II.A.2.a. II.A.2.b.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.  Adobe Creek.  Develop and approve management plans.  Site design/complete environmental compliance.	BR BR BR FWS-FR	Complete Complete TBD, revisit as needed TBD, revisit as needed  Complete Complete	Levee initially topography was a surface to the Burdick 2002 of sites incord and Nelson 2	y breached in was re-contou 2. Floodplain porated into ( 2004b) (IIA6).	acquisition or Colorado Rive	1998.  completed and	operation, ma oodplain Mar	aintenance and	d evaluation
>*	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c. II.A.1.d.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.  Adobe Creek.  Develop and approve management plans.	BR BR BR FWS-FR	Complete Complete TBD, revisit as needed TBD, revisit as needed Complete	Levee initially topography was a surface to the Burdick 2002 of sites incord and Nelson 2	y breached in was re-contou 2. Floodplain porated into ( 2004b) (IIA6).	acquisition or Colorado Rive	ompleted and er Subbasin Fl	operation, ma oodplain Mar	aintenance and	d evaluation
>*	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c. II.A.1.d. II.A.1.e. II.A.2. II.A.2.a. II.A.2.b. II.A.2.c.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.  Adobe Creek.  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.	BR BR BR FWS-FR FWS-FR BR BR	Complete Complete TBD, revisit as needed TBD, revisit as needed  Complete Complete	Levee initially topography was a surface to the Burdick 2002 of sites incord and Nelson 2	y breached in was re-contou 2. Floodplain porated into ( 2004b) (IIA6).	acquisition or Colorado Rive	ompleted and er Subbasin Fl	operation, ma oodplain Mar	aintenance and	d evaluation
>*	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c. II.A.1.d. II.A.1.e. II.A.2. II.A.2.a. II.A.2.b.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.  Adobe Creek.  Develop and approve management plans.  Site design/complete environmental compliance.	BR BR BR FWS-FR	Complete Complete TBD, revisit as needed TBD, revisit as needed  Complete Complete Complete TBD, revisit	Levee initially topography was a surface and Selson 2 surface and Nelson 2 Earthen dike	y breached in was re-contou  2. Floodplain porated into (2004b) (IIA6).	acquisition co Colorado Rive	ompleted and er Subbasin Fl	operation, ma oodplain Mar	aintenance and aingement Plar	d evaluation n (Valdez
>*	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c. II.A.1.d. II.A.1.e. II.A.2. II.A.2.a. II.A.2.b. II.A.2.c.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.  Adobe Creek.  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.	BR BR BR FWS-FR FWS-FR BR BR	Complete Complete TBD, revisit as needed TBD, revisit as needed  Complete Complete Complete TBD, revisit	Levee initially topography was a constructed by the Burdick 2002 of sites incorded and Nelson 2 Earthen dike Hamilton et a constructed by the Burdick	y breached in was re-contour 2. Floodplain porated into (2004b) (IIA6).	acquisition cc Colorado Rive	ompleted and er Subbasin Fl	operation, ma oodplain Mar d in spring 199	aintenance and agement Plar	d evaluation n (Valdez
>*	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c. II.A.1.d. II.A.1.e. II.A.2. II.A.2.a. II.A.2.b. II.A.2.c.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.  Adobe Creek.  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.	BR BR BR FWS-FR FWS-FR BR BR	Complete Complete TBD, revisit as needed TBD, revisit as needed  Complete Complete Complete TBD, revisit	Levee initiallitopography v  Burdick 2002 of sites incorand Nelson 2  Earthen dike	y breached in was re-contou  2. Floodplain reporated into (2004b) (IIA6).  s and water contours and water contours and water contours and evaluations and evaluations are contours are contours and evaluations are contours and contours are contours	acquisition co Colorado Rive control structu r, 2003. Floo on of sites inc	ompleted and er Subbasin Flures completed dplain acquisi corporated into	operation, ma loodplain Mar d in spring 199 tion complete to Colorado Ri	aintenance and aingement Plar	d evaluation n (Valdez
>*	II.A.1. II.A.1.a. III.A.1.b. III.A.1.c. III.A.1.d. III.A.1.d. III.A.1.e. III.A.2.e. III.A.2.e. III.A.2.a. III.A.2.c. III.A.2.c. III.A.2.d.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.  Adobe Creek.  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.	BR BR BR FWS-FR FWS-FR BR BR	Complete Complete TBD, revisit as needed TBD, revisit as needed  Complete Complete Complete TBD, revisit	Levee initiallitopography v  Burdick 2002 of sites incorand Nelson 2  Earthen dike	y breached in was re-contou  2. Floodplain reporated into (2004b) (IIA6).  s and water contours and water contours and water contours and evaluations and evaluations are contours are contours and evaluations are contours and contours are contours	acquisition co Colorado Rive control structu r, 2003. Floo on of sites inc	ompleted and er Subbasin Fl	operation, ma loodplain Mar d in spring 199 tion complete to Colorado Ri	aintenance and agement Plar	d evaluation n (Valdez
>*	II.A.1. II.A.1.a. II.A.1.b. II.A.1.c. II.A.1.d. II.A.1.e. II.A.2. II.A.2.a. II.A.2.b. II.A.2.c.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.  Adobe Creek.  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.	BR BR BR FWS-FR FWS-FR BR BR	Complete Complete TBD, revisit as needed TBD, revisit as needed Complete Complete Complete TBD, revisit as needed	Levee initiallitopography v  Burdick 2002 of sites incorand Nelson 2  Earthen dike	y breached in was re-contou  2. Floodplain reporated into (2004b) (IIA6).  s and water contours and water contours and water contours and evaluations and evaluations are contours are contours and evaluations are contours and contours are contours	acquisition co Colorado Rive control structu r, 2003. Floo on of sites inc	ompleted and er Subbasin Flures completed dplain acquisi corporated into	operation, ma loodplain Mar d in spring 199 tion complete to Colorado Ri	aintenance and agement Plar	d evaluation n (Valdez
>*	II.A.1. II.A.1.a. III.A.1.b. III.A.1.c. III.A.1.d. III.A.1.d. III.A.1.e. III.A.2.e. III.A.2.e. III.A.2.a. III.A.2.c. III.A.2.c. III.A.2.d.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.  Adobe Creek.  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.	BR BR BR FWS-FR FWS-FR BR BR	Complete Complete TBD, revisit as needed TBD, revisit as needed  Complete Complete Complete TBD, revisit as needed	Levee initiallitopography v  Burdick 2002 of sites incorand Nelson 2  Earthen dike	y breached in was re-contou  2. Floodplain reporated into (2004b) (IIA6).  s and water contours and water contours and water contours and evaluations and evaluations are contours are contours and evaluations are contours and contours are contours	acquisition co Colorado Rive control structu r, 2003. Floo on of sites inc	ompleted and er Subbasin Flures completed dplain acquisi corporated into	operation, ma loodplain Mar d in spring 199 tion complete to Colorado Ri	aintenance and agement Plar	d evaluation n (Valdez
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>*	II.A.1. II.A.1.a. III.A.1.b. III.A.1.c. II.A.1.d. III.A.1.e. III.A.2.a. III.A.2.c. III.A.2.c. III.A.2.c. III.A.2.c.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.  Adobe Creek.  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.	BR BR BR FWS-FR FWS-FR BR BR	Complete Complete TBD, revisit as needed TBD, revisit as needed  Complete Complete Complete TBD, revisit as needed	Levee initiallitopography v  Burdick 2002 of sites incorand Nelson 2  Earthen dike	y breached in was re-contou  2. Floodplain reporated into (2004b) (IIA6).  s and water contours and water contours and water contours and evaluations and evaluations are contours are contours and evaluations are contours and contours are contours	acquisition co Colorado Rive control structu r, 2003. Floo on of sites inc	ompleted and er Subbasin Flures completed dplain acquisi corporated into	operation, ma loodplain Mar d in spring 199 tion complete to Colorado Ri	aintenance and agement Plar	d evaluation n (Valdez
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>*	II.A.1. II.A.1.a. III.A.1.b. III.A.1.c. II.A.1.d. III.A.1.e. III.A.2.a. III.A.2.a. III.A.2.c. III.A.2.c. III.A.2.d.	Restore and manage flooded bottomland habitat.  29-5/8 Road Gravel Pit (became part of larger "Hot Spot Complex" in 2003.)  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.  Adobe Creek.  Develop and approve management plans.  Site design/complete environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success; modify as needed.	BR BR BR  BR  FWS-FR  BR BR  BR  FWS-FR	Complete Complete TBD, revisit as needed TBD, revisit as needed  Complete Complete Complete TBD, revisit as needed  TBD, revisit as needed	Levee initiallitopography v  Burdick 2002 of sites incor and Nelson 2  Earthen dike  Hamilton et a maintenance Managemen	y breached in was re-contou  2. Floodplain reporated into (2004b) (IIA6).  s and water contours and water contours and water contours and evaluations and evaluations are contours are contours and evaluations are contours and contours are contours	acquisition co Colorado Rive	ompleted and er Subbasin Fluit	operation, ma loodplain Mar d in spring 199 tion complete to Colorado Ri	aintenance and agement Plar	d evaluation n (Valdez

		ACTIVITY	WHO	STATUS	FY 04 10/03-9/04		FY 06 10/05-9/06				OUT- YEARS	
>*	II.A.3.c.	Construct.	BR	Complete	75 cfs inlet c al. 2003).	ontrol structui	re to flush sel	enium was co	mpleted Dece	ember 1996 (I	Hamilton et	
>*	II.A.3.d.	Operate and maintain.	BR/FWS/ CDOW	TBD, revisit as needed	Floodplain acquisition completed and operation, maintenance and evaluation of sites incorporated into Colorado River Subbasin Floodplain Management Plan (Valdez and Nelso 2004b) (IIA6).							
	II.A.3.e.	Monitor and evaluate success; modify as needed.	FWS-FR	TBD, revisit as needed	Hamilton et al. 1996, 1997, 2003, Scheer 1998.							
	II.A.4.	Develop and implement levee removal strategy at high-priority sites.										
	II.A.4.a.	Preconstruction (contaminants screening, floodability assessments, environmental compliance, design & engineering.	BR/FWS	Complete	Burdick 2002	2. Levees bre	eached at two	sites (19.5 ac	cres total). Le	vee removal	completed	
>*	II.A.4.b.	Construction (levee breaching ) [NOTE: Subject to review and approval for depression wetlands.]	BR	Complete	and operatio						River	
>*	II.A.4.c.	Operate and maintain.	BR/FWS	Complete	Subbasin Flo	odplain Mana	agement Plan	(Valdez and	Nelson 2004b	o) (IIA6).		
	II.A.4.d.	Evaluation	FWS	Complete								
	II.A.5.	Acquire interest in high-priority flooded bottomland habitats.										
	II.A.5.a.	Identify and evaluate sites.	FWS	Complete								
	II.A.5.b.	Pre-acquisition planning and identification of acquisition options.	PD		Acquired 10							
	II.A.5.c.	Conduct appraisal/NEPA compliance.	PD		maintenance					ver Subbasin	Floodplain	
>*	II.A.5.d.	Negotiate and acquire.	PD	Complete	Managemen	t Plan (Valde	z and Nelson	2004b) (IIA6)				
	II.A.5.e.	Evaluate effectiveness of land acquisition activities and provide recommendations	PD	Complete								
>*	II.A.6.	Develop and implement Colorado River Subbasin Floodplain Management Plan (Valdez and Nelson 2004b).	Program	Ongoing	Х	х	Х	Х	Х	Х	Х	
	II.B.	Restore native fish passage at instream barriers.										
	II.B.1.	Restore passage at Grand Valley Irrigation Co. Diversion Dam (Palisade)										
	II.B.1.a.	Evaluate and implement viable options to restore fish passage.	BR/FWS	Complete	1997							
	II.B.1.a.(1)	Obtain landowner consent/agreement.	BR	Complete			complete 199					
	II.B.1.a.(2)	Site design/environmental compliance.	BR	_	Preconstruct							
>^	II.B.1.a.(3)	Construct.	BR FINE FROM		GVIC passa							
>*	II.B.1.a.(4)	Operate and maintain.	FWS-FR/BR	Ongoing	X	Х	Х	Х	X	Х	Х	
	II.B.1.a.(5)	Monitor and evaluate success.  Screen GVIC diversion to prevent endangered fish entrainment, if warranted.	FWS-FR/BR	Complete	Burdick 1999	). 						
	II.B.1.b.(1)	Design.	BR	Complete	1999							
>*	II.B.1.b.(1)	Construct.	BR	Complete		on canal fish	screen compl	eted in 05/02	, modifications	s to be compl	eted March	
>*	II.B.1.b(3)	Operate and maintain.	FWS-FR/BR	Ongoing	Х	Х	Х	Х	Х	Х	Х	
	II.B.2.	Restore fish passage at Price Stubb.	1 110 11051	crigoring	^				,			
	II.B.2.a.	Evaluate and implement viable options.										
	II.B.2.a.(1)	Obtain landowner consent/agreement.	BR		Х							
	II.B.2.a.(2)	· ·			X	<b> </b>		1		t		
-		Site design/environmental compliance.	BR		^							
>*	II.B.2.a.(3)	Site design/environmental compliance.  Construct.	BR BR		X	Х	4/06					
>* >*						X	4/06 X	Х	Х	Х	Х	
>* >*	II.B.2.a.(3)	Construct.	BR					Х	X	X	Х	
>* >*	II.B.2.a.(3) II.B.2.a.(4)	Construct. Operate and maintain.	BR TBD			Х		Х	X	X	X	
>* >*	II.B.2.a.(3) II.B.2.a.(4) II.B.2.a.(5)	Construct.  Operate and maintain.  Monitor and evaluate success (if dam removed, no biological evaluation will be needed).	BR TBD			Х		X	X	X	Х	
>* >*	II.B.2.a.(3) II.B.2.a.(4) II.B.2.a.(5) II.B.3.a. II.B.3.a.(1)	Construct. Operate and maintain. Monitor and evaluate success (if dam removed, no biological evaluation will be needed). Restore fish passage at Government Highline (Roller Dam). Evaluate and implement viable options. Site design/environmental compliance.	BR TBD FWS-FR/BR	Complete	X 2003	Х		X	X	X	X	
>* >* >*	II.B.2.a.(3) II.B.2.a.(4) II.B.2.a.(5) II.B.3. II.B.3.a.(1) II.B.3.a.(2)	Construct.  Operate and maintain.  Monitor and evaluate success (if dam removed, no biological evaluation will be needed).  Restore fish passage at Government Highline (Roller Dam).  Evaluate and implement viable options.  Site design/environmental compliance.  Construct.	BR TBD FWS-FR/BR BR BR	Complete	X	X	X					
>* >* >* >*	II.B.2.a.(3) II.B.2.a.(4) II.B.2.a.(5) II.B.3. II.B.3.a.(1) II.B.3.a.(2) II.B.3.a.(3)	Construct.  Operate and maintain.  Monitor and evaluate success (if dam removed, no biological evaluation will be needed).  Restore fish passage at Government Highline (Roller Dam).  Evaluate and implement viable options.  Site design/environmental compliance.  Construct.  Operate and maintain.	BR TBD FWS-FR/BR  BR BR BR	Complete	X 2003	XXX	X	X	X	X	X	
>* >* >* >*	II.B.2.a.(3) II.B.2.a.(4) II.B.2.a.(5) II.B.3. II.B.3.a.(1) II.B.3.a.(2) II.B.3.a.(3) II.B.3.a.(4)	Construct.  Operate and maintain.  Monitor and evaluate success (if dam removed, no biological evaluation will be needed).  Restore fish passage at Government Highline (Roller Dam).  Evaluate and implement viable options.  Site design/environmental compliance. Construct.  Operate and maintain.  Monitor and evaluate success.	BR TBD FWS-FR/BR BR BR	Complete	X 2003	X	X					
>* >* >* >*	I.B.2.a.(3)   I.B.2.a.(4)   I.B.2.a.(5)   I.B.3.a.   I.B.3.a.(1)   I.B.3.a.(2)   I.B.3.a.(2)   I.B.3.a.(3)   I.B.3.a.(4)   I.B.3.b.	Construct.  Operate and maintain.  Monitor and evaluate success (if dam removed, no biological evaluation will be needed).  Restore fish passage at Government Highline (Roller Dam).  Evaluate and implement viable options.  Site design/environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success.  Screen Government Highline diversion to prevent endangered fish entrainment	BR TBD FWS-FR/BR  BR BR BR FWS-FR/BR		2003 8/04	XXX	X					
>* >* >* >*	I.B.2.a.(3)   I.B.2.a.(4)   I.B.2.a.(5)   I.B.3.   I.B.3.a.(1)   I.B.3.a.(1)   I.B.3.a.(2)   I.B.3.a.(3)   I.B.3.a.(4)   I.B.3.b.(1)	Construct.  Operate and maintain.  Monitor and evaluate success (if dam removed, no biological evaluation will be needed).  Restore fish passage at Government Highline (Roller Dam).  Evaluate and implement viable options.  Site design/environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success.  Screen Government Highline diversion to prevent endangered fish entrainment  Design.	BR TBD FWS-FR/BR  BR BR BR FWS-FR/BR	Complete	X 2003 8/04 2002	X X X	X					
>* >* >* >* >*	I.B.2.a.(3)   I.B.2.a.(4)   I.B.2.a.(5)   I.B.3.   I.B.3.a.(1)   I.B.3.a.(2)   I.B.3.a.(2)   I.B.3.a.(3)   I.B.3.a.(4)   I.B.3.b.(1)   I.B.3.b.(1)   I.B.3.b.(2)	Construct.  Operate and maintain.  Monitor and evaluate success (if dam removed, no biological evaluation will be needed).  Restore fish passage at Government Highline (Roller Dam).  Evaluate and implement viable options.  Site design/environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success.  Screen Government Highline diversion to prevent endangered fish entrainment  Design.  Construct.	BR TBD FWS-FR/BR  BR BR BR FWS-FR/BR  BR BR		2003 8/04	X X X X X	X X X					
>* >* >* >* >*	I.B.2.a.(3)   I.B.2.a.(4)   I.B.2.a.(5)   I.B.3.   I.B.3.a.(1)   I.B.3.a.(1)   I.B.3.a.(2)   I.B.3.a.(3)   I.B.3.a.(4)   I.B.3.b.(1)	Construct.  Operate and maintain.  Monitor and evaluate success (if dam removed, no biological evaluation will be needed).  Restore fish passage at Government Highline (Roller Dam).  Evaluate and implement viable options.  Site design/environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success.  Screen Government Highline diversion to prevent endangered fish entrainment  Design.	BR TBD FWS-FR/BR  BR BR BR FWS-FR/BR		X 2003 8/04 2002	X X X	X					
>* >* >* >* >*	I.B.2.a.(3)   I.B.2.a.(4)   I.B.2.a.(5)   I.B.3.   I.B.3.a.(1)   I.B.3.a.(2)   I.B.3.a.(2)   I.B.3.a.(3)   I.B.3.a.(4)   I.B.3.b.(1)   I.B.3.b.(1)   I.B.3.b.(2)	Construct.  Operate and maintain.  Monitor and evaluate success (if dam removed, no biological evaluation will be needed).  Restore fish passage at Government Highline (Roller Dam).  Evaluate and implement viable options.  Site design/environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success.  Screen Government Highline diversion to prevent endangered fish entrainment  Design.  Construct.	BR TBD FWS-FR/BR  BR BR BR FWS-FR/BR  BR BR		X 2003 8/04 2002	X X X X X	X X X					
>* >* >* >* >*	I.B.2.a.(3)   I.B.2.a.(4)   I.B.2.a.(5)   I.B.3.a.   I.B.3.a.(1)   I.B.3.a.(1)   I.B.3.a.(2)   I.B.3.a.(3)   I.B.3.a.(4)   I.B.3.b.(1)   I.B.3.b.(1)   I.B.3.b.(2)	Construct.  Operate and maintain.  Monitor and evaluate success (if dam removed, no biological evaluation will be needed).  Restore fish passage at Government Highline (Roller Dam).  Evaluate and implement viable options.  Site design/environmental compliance.  Construct.  Operate and maintain.  Monitor and evaluate success.  Screen Government Highline diversion to prevent endangered fish entrainment  Design.  Construct.  Evaluate screening.  Support actions to reduce or eliminate contaminant impacts. [NOTE: Contaminants remediation (in all	BR TBD FWS-FR/BR  BR BR BR FWS-FR/BR  BR BR		X 2003 8/04 2002	X X X X X	X X X					

	1		l I		EV 04	F)/ 0F	FV 00	FV 07	FV 00	F)/ 00	OUT
		ACTIVITY	WHO	STATUS	FY 04 10/03-9/04	FY 05 10/04-9/05	FY 06 10/05-9/06	FY 07 10/06-9/07	FY 08 10/07-9/08	FY 09 10/08-9/09	OUT- YEARS
	II.C.3.	Identify measures to minimize risk of hazardous materials spills in Black Rocks and Westwater Canyon from transport along the adjacent railway to protect humpback chub populations.	FWS-ES	Ongoing	х	x	х	х	x	x	Х
	III.	REDUCE NEGATIVE IMPACTS OF NONNATIVE FISHES AND SPORTFISH MANAGEMENT ACTIVITIES (NONNATIVE AND SPORTFISH MANAGEMENT)									
	III.A.	Develop and implement control programs in reaches of the Colorado River occupied by endangered fishes. Each control activity will be evaluated for effectiveness and then continued as needed.									
	III.A.1.	Determine relationship between Aspinall test flows and nonnative fish abundance.	UDWR/ FWS-FR	Complete	McAda & Ry	el 1999.					
>*	III.A.2.	Reclaim ponds in critical habitat.	CDOW	Complete	Martinez 200	)4.					
	III.A.2.a.	Evaluate and make recommendations.	CDOW	Complete							
	III.A.3.	Nonnative cyprinids and centrarchids in nursery habitats.									
	III.A.3.a.	Remove small nonnative cyprinids from backwaters and other low velocity habitats.	CDOW/UDWR	Complete	Trammell et	al. 2002.					
	III.A.3.b.	Remove nonnative centrarchids from backwaters and other low velocity habitats.	FWS	Complete	Osmundson	2003.					
	III.A.4.	Preclude escapement from ponds in critical habitat as needed and feasible.									
	III.A.4.a.	Evaluate sources of nonnative fishes and make recommendations.	CDOW/FWS		Х	Х	l	l			
	III.A.5.	Develop and implement program to identify required level of channel catfish control.	FWS	On hold		bass consider		ority (2004).	ı	ı	ı
>*	III.A.6.	Develop and implement program to identify required level of smallmouth bass control.	FWS		Х	Х	Х				
	III.B.	Reduce negative impacts to endangered fishes from sportfish management activities.									
>*	III.B.1.	Evaluate control options and implement measures to control nonnative fish escapement from Highline Reservoir.	CDOW/ CRWCD	Complete	Fish barrier r	net installed in	Highline Res	servoir 8/99.			
	III.B.1.a.	Operate and maintain Highline Reservoir net.	CDOPR	Ongoing	Х	Х	Х	Х	Х	Х	Х
	III.B.1.b.	Evaluate Highline Reservoir net.	CDOW	Complete	Martinez 200						
	III.B.2.	Remove bag and possession limits on warmwater nonnative sportfishes within critical habitat in Colorado.	CDOW	Complete		o fishing regu	lations.				
	III.B.4.	Develop basinwide aquatic management plan to reduce nonnative fish impacts while providing sportfishing opportunities. Draft: CDOW 2002.	CDOW		Х						
>*	III.B.4.a.	Implement CDOW's Colorado River Aquatic Management Plan.	CDOW	Ongoing	Х	Х	Х	Х	Х	Х	Х
	IV.	MANAGE GENETIC INTEGRITY AND AUGMENT OR RESTORE POPULATIONS (STOCKING ENDANGERED FISHES)		J							
	IV.A.	Augment or restore populations as needed, and as guided by the Genetics Management Plan.									
	IV.A.1.	Razorback sucker.									
	IV.A.1.a.	Develop experimental augmentation plan and seek Program acceptance.	FWS-FR	Complete	Burrdick et a	l. 1995.					
	IV.A.1.b.	Implement experimental augmentation plan.									
>	IV.A.1.b.(1)	Stock fish.	FWS-FR	Complete	Burdick 2003	3.					
	IV.A.1.b.(2)	Monitor and evaluate results; make recommendations regarding further augmentation.	FWS-FR	Complete	Burdick 2003	3.					
	IV.A.2.	Monitor the fish community in the upper Colorado River (above Palisade) and develop management action plan, including recommendations for Colorado pikeminnow and razorback sucker augmentation.	CDOW	Complete	Anderson 19	97.					
	IV.A.3.	Develop State stocking plan for razorbacks in the Colorado River in Colorado.	CDOW/PD	Complete	Nesler et al.	2003.					
	IV.A.3.a.	Program acceptance.	CDOW/PD	Complete	Nesler et al.	2003.					
>	IV.A.3.b.	Implement razorback sucker State stocking plan.	CDOW/PD	Ongoing	X	Х	Х	X	Х	Х	Х
	IV.A.3.b.	Evaluate stocking success as identified in monitoring plan for stocked fish.	Program	Ongoing	Х	Х	Х	Х	Х	Х	Х
	IV.A.4.	Develop State stocking plan for Colorado pikeminnow in the Colorado River in Colorado.	CDOW/PD		Nesler et al.						
	IV.A.4.a.	Program acceptance.	CDOW/PD	Complete	Nesler et al.			V			
	IV.A.4.b.	Implement Colorado pikeminnow State stocking plan.	CDOW/PD	Ongoing	X	X	X	X	X	X	X
	IV.A.4.c.	Evaluate stocking success as identified in monitoring plan for stocked fish.	Program	Ongoing	X Noclor et al	X X	Х	Х	Х	Х	Х
	IV.A.5. IV.A.5.a.	Develop State stocking plan for bonytail in the Colorado River from Palisade to Loma.  Program acceptance.	CDOW CDOW/PD	Complete Complete	Nesler et al.						
>	IV.A.5.a. IV.A.5.b.	Implement bonytail State stocking plan.	FWS/CDOW	Ongoing	X	X X	Х	Х	Х	Х	Х
	IV.A.5.c.	Evaluate stocking success as identified in monitoring plan for stocked fish.	Program	Ongoing	X	X	X	X	X	X	X
	IV.A.6.	Develop State stocking plan for the four endangered fish in the Colorado River in Utah.	riogiani	Singoning		^	^	^	^		
	IV.A.6.a.	Prepare plan.	UDWR	Complete	Nesler et al.	2003.					
	IV.A.6.b.	Program acceptance.	UDWR	Complete	Nesler et al.						
	۱۷.۸.υ.b.	r rogram acceptance.	ODWK	Complete	racolor et al.	2000.					

		ACTIVITY	WHO	STATUS	FY 04 10/03-9/04	FY 05 10/04-9/05	FY 06 10/05-9/06	FY 07 10/06-9/07	FY 08 10/07-9/08	FY 09 10/08-9/09	OUT- YEARS
>	IV.A.6.c.	Implement plan.	UDWR	Ongoing	Х	Х	X	Х	Х	X	X
	IV.A.6.d.	Evaluate stocking success as identified in monitoring plan for stocked fish.	UDWR		Х	Х	Х	Х	X	X	Х
	v.	MONITOR POPULATIONS AND HABITAT AND CONDUCT RESEARCH TO SUPPORT RECOVERY ACTIONS (RESEARCH, MONITORING, AND DATA MANAGEMENT)									
	V.A.	Conduct research to acquire life history information and enhance scientific techniques required to complete recovery actions.									
	V.A.1.	Determine Colorado pikeminnow larval drift into Lake Powell.	NPS	Complete	Muth and Wi	ck 1996, 1997	7.				
	V.B.	Monitor populations per requirements in the 15-Mile Reach PBO.									
	V.B.1.	Determine initial baselines and indices for Colorado pikeminnow and humpback chub.	PD	Complete	Appendix to	biological opir	nion (USFWS	1999a).			
	V.B.1.a.	Evaluate population response, per 15-Mile Reach PBO (every 5 years beginning in FY 05).	FWS			X					Х
	V.B.2.	Determine initial baselines and indices for razorback sucker and bonytail.	PD			Х					
	V.B.2.a.	Evaluate population response, per 15-Mile Reach PBO (every 5 years beginning in FY 05).	FWS			Х					Х
	V.B.3.	Revise population indices to conform to recovery goals.	FWS	Complete	2003 PBO e	valuation (in c	oncert with 20	003 RIPRAP 8	assessment).		
	V.B.4.	Monitor incidental take.									
	V.B.4.a.	Develop plan to monitor incidental take of endangered fishes in diversion structures.	FWS	Complete	"Plan" completed in that fish are being retrieved from canals until the canals are screened and screens are fully functional (anticipated in FY 05). Screens will prevent entrainment of adult, subadult, and juvenile fish (preventing entrainment of adult and subadult fish required is by recovery goals) because they are 3/32 mesh.						ainment of
	V.B.4.b.	Implement plan to monitor incidental take of endangered fish in diversion structures.	FWS	Ongoing	X	X					
	V.C.	Estimate humpback chub populations									
	V.C.1.	Black Rocks	FWS		Х			X	X	X	Х
	V.C.2.	Westwater	UDWR		X			X	X	X	Х
	V.C.3.	Cataract Canyon	UDWR/Valdez		X	X		X	X	X	Х
	V.D.	Estimate pikeminnow populations in the upper Colorado River (including Gunnison River).	FWS		Х	X			X	X	Х